

CLAIM AMENDMENTS

1. (currently amended) An electric motor, for powering downhole tools, the motor comprising:
a stator; [[and]]
a rotor connectable to a rotatable device; [[,]]
a permanent magnet; [[and]]
a series of coiled windings or laminations having a connection to a DC supply, the permanent magnet and the laminations being arranged annularly with respect to each other, ~~characterized in that the laminations and coil windings are potted in ; and~~
a potting material impervious to wellbore fluids, the laminations and coil windings being potted in the material.
2. (original) An electric motor according to claim 1, wherein the potting material is introduced under a vacuum.
3. (currently amended) An electric motor according to ~~any previous claim 1 wherein there is included, further comprising~~
a motor housing which confines the potting material.
4. (currently amended) An electric motor according to ~~any previous claim 1 wherein the , further comprising~~
wiring ~~is provided that exits from the potted material~~
through a metal clad tube, onto which an O ring seal can be used.

5. (original) An electric motor assembly comprising two or more electric motors according to claim 1 secured in series.

6. (original) An electric motor assembly according to claim 5, wherein the two or more electric motors are secured together before the potting material is introduced.